



Application No. 09/955,712

Amendments to the Claims:

Please add the following claims:

- III --61. The material of claim 1 additionally comprising a microcavity.
- III 62. The optical sensor of claim 19 additionally comprising a microcavity.
- III 63. The optical sensing method of claim 22 additionally comprising the step of employing a microcavity.
- III 64. The spectrometer of claim 30 additionally comprising a microcavity.
- III 65. The gratingless spectroscopy method of claim 31 additionally comprising the step of providing a microcavity.
- VI 66. The optical amplifier of claim 37 additionally comprising a microcavity.
- IV 67. The optical amplification method of claim 40 additionally comprising the step of providing a microcavity.
- VI 68. The optical switch of claim 43 additionally comprising a microcavity.
- IV 69. The optical switching method of claim 46 additionally comprising the step of providing a microcavity.

IV 70. The sub-femtosecond pulse generation device of claim 59 additionally comprising a microcavity.

IV 71. The method of generation of sub-femtosecond pulses of claim 60 additionally comprising the step of providing a microcavity.--